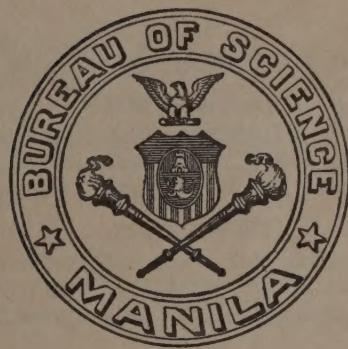


THE PHILIPPINE JOURNAL OF SCIENCE

VOLUME 60

MAY TO AUGUST, 1936

WITH 63 PLATES AND 54 TEXT FIGURES



MANILA
BUREAU OF PRINTING
1936

DEPARTMENT OF AGRICULTURE AND COMMERCE

EULOGIO RODRIGUEZ, A.B., *Secretary*

JOSÉ S. CAMUS, B.Agr., *Under Secretary*

THE PHILIPPINE JOURNAL OF SCIENCE

Published by the Bureau of Science, Department of Agriculture
and Commerce

[Entered at the Post Office at Manila, P. I., as second-class matter.]

A. S. ARGÜELLES, B.S., *Editor*

EDUARDO QUISUMBING, PH.D., *Associate Editor*

RICHARD C. McGREGOR, A.B., *Managing Editor*

CONTRIBUTING EDITORS

Chemistry

MANUEL L. ROXAS, PH.D.; A. P. WEST, PH.D.; T. DAR JUAN, PHAR.D.
F. D. REYES, B.S.; F. T. ADRIANO, PH.D.; R. H. AGUILAR, CH.E.
A. J. HERMANO, SC.D.; J. C. ESPINOSA, B.S. IN CH.E.
MARIA Y. OROSA, PH.C., M.S.; MARCOS M. ALICANTE, PH.D.

Geology

V. ELICAÑO, B.S.; Q. A. ABADILLA, E.M.; JOSÉ M. FELICIANO, PH.D.

Experimental Medicine

ONOFRE GARCIA, M.D.; H. W. WADE, M.D.; ARTURO GARCIA, M.D.
DANIEL DE LA PAZ, M.D.; CRISTOBAL MANALANG, M.D.
VICTOR BUENCAMINO, D.V.M.; TEODULO TOPACIO, D.V.M., D.Sc.

Clinical Medicine

LIBORIO GOMEZ, M.D., PH.D.; F. CALDERON, L.M.
JACOB FAJARDO, M.D.; JOSÉ ALBERT, M.D.; H. LARA, M.D.
JOSÉ RODRIGUEZ, M.D.; CARMELO REYES, M.D.

Botany

WILLIAM H. BROWN, PH.D.; J. K. SANTOS, PH.D.; P. L. SHERMAN, PH.D.
A. F. FISCHER, C.E., M.F.; T. G. FAJARDO, PH.D.
JOAQUIN MARAÑON, SC.D.; RAFAEL B. ESPINO, PH.D.
NICANOR G. TEODORO, PH.D.; VICENTE C. ALDABA, PH.D.
FELICIANO M. CLARA, PH.D.; JUAN P. TORRES, PH.D.
LUIS P. REYES, B.S.F.

Zoölogy

MARCOS A. TUBANGUI, D.V.M.; HERACLIO R. MONTALBAN, M.A.
LEOPOLDO B. UICHANCO, SC.D.; GONZALO MERINO, PH.D.
FAUSTINO Q. OTANES, M.S.; HILARIO A. ROXAS, PH.D.
MANUEL D. SUMULONG, M.S., D.V.M.; LOPE M. YUTUC, D.V.M.
DEOGRACIAS VILLADOLID, PH.D.; CANUTO G. MANUEL, SC.D.

Anthropology

H. O. BEYER, M.A.; OTTO JOHNS SCHEERER, M.A.; E. E. SCHNEIDER, B.L.

CONTENTS

No. 1, May, 1936

[Issued August 25, 1936.]

	Page.
VANOVERBERGH, MORICE. The Iloko kitchen.....	1
NUKADA, MINORU. Extract from silkworm pupæ: A useful substitute for meat extract in the preparation of bacteriologic culture media.....	11
COPELAND, E. B. The Philippine ferns collected by J. B. Steere.....	19
MERRILL, E. D. Miscellaneous notes on Philippine botany.....	27
ROXAS, HILARIO A. A fresh-water jellyfish in the Philippines.....	37
One plate.	
ROSARIO, F. DEL. <i>Dirofilaria immitis</i> Leidy and its culicine intermediate hosts in Manila, I.....	45
One plate.	
SCHEDL, KARL E. Scolytidæ and Platypodidæ: Fauna philippinensis, IV	59
Five text figures.	
TOKUNAGA, MASAAKI. Chironomidæ from Japan (Diptera), VII: New species and a new variety of the genus <i>Chironomus</i> Meigen.....	71
Four plates.	
BOOKS	87

No. 2, June, 1936

[Issued September 2, 1936.]

COPELAND, E. B. Solomon Island ferns.....	99
Twenty-three plates.	
ROLDAN, E. F. New or noteworthy lower fungi of the Philippine Islands, I	119
Two plates.	
MUNDO, SALVADOR DEL. Philippine bagasse ash as a raw material for glass making	125
Two plates.	
GARCIA, E. Y., and P. G. REFUERZO. Two more species of the genus <i>Stictodora</i> Looss, 1899, in the Philippines with description of a new species	137
One plate.	
RABOR, DIOSCORO S. Life histories of some common birds in the vicinity of Novaliches, Rizal Province, Luzon, II.....	143

	Page.
MANUEL, CANUTO G. A review of Philippine pigeons, III: Subfamily Treroninæ	157
ALEXANDER, CHARLES P. New or little-known Tipulidæ from eastern Asia (Diptera), XXX	165
Three plates.	
No. 3, July, 1936	
[Issued October 6, 1936]	
WOODSON, JR., ROBERT E. Studies in the Apocynaceæ, VI.....	205
One plate.	
MERRILL, E. D. A new Philippine species of Cycas.....	233
Four plates.	
YENKO, F. M., LUZ BAENS, and F. B. SERRANO. Effect of molds on bakauan bark and tanning liquors.....	241
Three plates.	
BALCE, SOFRONIO. The interrelations of compressibility, melting point, solubility, valence, and other properties of the halides of the alkali and alkaline earths.....	251
TUBANGUI, MARCOS A., and VICTORIA A. MASILUNGAN. Trematode parasites of Philippine vertebrates, VIII: Flukes from a cobra and a crocodile.....	255
Three plates.	
SIRIBAED, LUANG. The pleural hairs of culicine mosquito larvæ.....	267
Four plates.	
TOKUNAGA, MASAAKI. Chironomidæ from Japan (Diptera), VIII: Marine or seashore Spaniotoma, with descriptions of the im- mature forms of Spaniotoma nemalione sp. nov. and Tanytarsus boodleæ Tokunaga	303
Two plates and one text figure.	
ALEXANDER, CHARLES P. New or little-known Tipulidæ from eastern Asia (Diptera), XXXI	323
Four plates.	
No. 4, August, 1936	
[Issued October 31, 1936.]	
ROBLES, MANUEL M. Rinderpest studies.....	361
Fifteen text figures.	
TOPACIO, T., and M. M. ROBLES. Immunity in rinderpest-vaccinated animals	387
TUBANGUI, MARCOS A., and VICTORIA A. MASILUNGAN. Studies on the cercaricidal property of the sera of vertebrate animals.....	393
TUBANGUI, MARCOS A., and VICTORIA A. MASILUNGAN. Notes on Philippine linguatulids (Arthropoda: Pentastomida).....	399
Three text figures.	
MANUEL, CANUTO G. A review of Philippine pigeons, IV: Sub- family Duculinæ	407
One plate.	

Contents

v

	Page.
ALCASID, GODOFREDO L. New or interesting Philippine shells.....	421
Four plates.	
TAKAHASHI, RYOICHI. Thysanoptera of Formosa.....	427
Four text figures.	
LIGHT, S. F., and F. J. WILSON. The nasute termites of the Philip- pines	461
Twenty-six text figures.	
BOOKS	521
INDEX	533

